

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/00079

A. CLASSIFICATION OF SUBJECT MATTER PC(7) : G06F 15/16, 8 161 3/00, 5816 17/00, HO4K 1/02. US CL : 709/217-219, 713/138, 170, 200, 201; 380/252. Accordine to international searched (classification (PCC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S.: 709/217-219; 713/138, 170, 200, 201; 380/252.  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  Pleas Seo Continuation Sheet  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category * (Clastion of document, with indication, where appropriate, of the relevant passages Relevant to claim No.  Y US 6,170,744 B1 (Lee et al.) 09 January 2001 (09.01.2001), abstract and entired document  Y US 2002/0165063 A1 (Lachman, III et al.) 07 November 2002 (07.11.2002), see entired document.  Y US 6,661,794 (Angelo et al.) 09 May 2000 (09.05.2000), see the entired document.  Y US 6,550,012 B1 (Villa et al.) 15 April 2003 (15.04.2003), see the entired document.  Y US 6,408,330 B1 (DeLaHuerga) 18 June 2002, see col.) Filines 5 to col.15/lines 53.  1-11  Y US 2002/01025521 A1 (Pradhan et al.) 25 November 2004 (25.11.2004), see the entired document.  Y US 2003/0078891 A1 (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y US 2003/0078891 A1 (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Producent which may those doubt on princip distinct or other season (expected by the production of the conditional date or principly date under the condition of the conditional date or principly date under the condition of the conditional date of member claims or eather the state of the condition of th						
According to International Pattern (Lassification (1907) or to both national classification and IPC  B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols)  U.S.: 1709/217-219; 713/138, 170, 200, 201; 380/252.  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  Flease Sec Continuation Sheet  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category * Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.  1-11  Y US 2002/0166063 A1 (Lachman, III et al.) 07 November 2002 (07.11.2002), see entired document.  Y US 6,617,074 B1 [Lec et al.) 95 May 2000 (09.05.2000), see the entired document.  Y US 6,50,012 B1 (Villa et al.) 15 April 2003 (15.04.2003), see the entired document.  Y US 6,408,330 B1 (DeLathurrag) 18 June 2002, see col. 9/ lines 5 to col.15/lines 53.  1-11  X US 2004/0235521 A1 (Prudham et al.) 25 November 2004 (25.11.2004), see the entired document.  US 2005/0078891 A1 (Capitant) 24 April 2003 (24.04.2003), see the entired document.  1-11  Letter documents are listed in the continuation of Box C.  See patent family annow.  1-11  Sec patent family annow.  1-11  Letter documents are listed in the continuation of Box C.  See patent family annow.  1-11  Letter document to patent published on or the two international diag date or priority distribution or patent published on or other means of patentine removate the patentine internation and the comment is combinate with the patentine removate the patentine and						
According to International Patent Classification (PC) or to both national classification and IPC  B FILES SEARCHED  Minimum documentation searched (classification system followed by classification symbols)  U.S.: 709/217-219; 713/138, 170, 200, 201; 380/252.  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  Please Sec Continuation Sheet  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category ** Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.  18 6,170,744 BI (Lee et al.) 09 January 2001 (09.01.2001), abstract and entired document  1-11  Y. US 2002/0166063 A1 (Lechman, III et al.) 07 November 2002 (07.11.2002), see entired document.  Y. US 6,61,794 (Angelo et al.) 09 May 2000 (09.05.2000), see the entired document.  Y. US 6,5403.30 BI (Villa et al.) 15 April 2003 (15.04.2003), see the entired document.  Y. US 6,5403.30 BI (DeLaftuarga) Ils June 2002, see col.9/ lines 5 to col.15/lines 53.  1-11  Y. US 2003/0078891 A1 (Pradhan et al.) 25 November 2004 (25.11.2004), see the entired document.  Y. US 2004/0235521 A1 (Pradhan et al.) 25 November 2004 (25.11.2004), see the entired document.  Y. US 2004/035521 A1 (Pradhan et al.) 25 November 2004 (25.11.2004), see the entired document.  Y. US 2003/0078891 A1 (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y. Goossand foliaging the speciation had died to understand the printing the since the international filing date are grically extensive understand the printing of the international filing date are grically extensive understand the printing of the international filing date are grically extensive understand the orange of international extensive the international filing date are grically extensive understand the orange of international extensive the international filing date are grically extensive under	US CL.	· 709/217-219; 713/138, 170, 200, 201; 380/252.		ł		
Picture Searched (classification system followed by classification symbols)   U.S.: 1709/217-219, 713/138, 170, 200, 201; 380/252.	According to 1	International Patent Classification (IPC) or to both nati	onal classification and IPC			
Minimum documentation searched (classification system followed by classification symbols)  U.S.: 709/217-219; 713/138, 170, 200, 201; 380/252.  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  Please See Continuation Sheet  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category **  Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.  Y. US 6,170,744 BI (Lee et al.) 09 January 2001 (09.01.2001), abstract and entired document  Y. US 6,61,794 (Angelo et al.) 09 May 2000 (09.05.2000), see the entired document.  Y. US 6,61,794 (Angelo et al.) 15 April 2003 (15.04.2003), see the entired document.  Y. US 6,61,794 (Angelo et al.) 15 April 2003 (15.04.2003), see the entired document.  Y. US 6,61,794 (Angelo et al.) 15 April 2003 (15.04.2003), see the entired document.  Y. US 6,61,794 (Angelo et al.) 15 April 2003 (15.04.2003), see the entired document.  Y. US 6,61,830 BI (DeLaHuerga) I8 June 2002, see col.9/ lines 5 to col.15/lines 53.  1-11  X. US 2004/0235521 Al (Pradhan et al.) 25 November 2004 (25.11.2004), see the entired document.  Y. US 2003/0078891 Al (Capitant) 24 April 2003 (24.04.2003), see the entired document.  1-11  Image: Further documents are listed in the continuation of Box C.  See patent family annex.  Is later document published after the international filing date or priority date and not increase the calculation the relevance of cated to understand the careful published of the state activity of the problem of the cated to understand the cated to the control of the cated the control of the cated to understand the cated						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  Pleaze Sec Continuation Sheet  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category * Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.  Y US 6,170,744 Bit (Lee et al.) 09 January 2001 (09.01.2001), abstract and entired document  Y US 6,061,794 (Angelo et al.) 09 May 2000 (09.05.2000), see the entired document.  Y US 6,061,794 (Angelo et al.) 19 April 2003 (15.04.2003), see the entired document.  Y US 6,408,330 Bit (Packatherga) 18 June 2002, see col.9/ lines 5 to col. 15/lines 53.  Y US 2004/0235521 Al (Pradhan et al.) 25 November 2004 (25.11.2004), see the cutired document.  Y US 2003/0078891 Al (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y US 2003/0078891 Al (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y US 2003/0078891 Al (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y Us 2003/0078891 Al (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y Us 2003/0078891 Al (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y Us 2003/0078891 Al (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y Us 2003/0078891 Al (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y Us 2003/0078891 Al (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y Us 2003/0078891 Al (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y Us 2003/0078891 Al (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y Us 2003/0078891 Al (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y Us 2003/0078891 Al (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y Us 2003/0078891 Al (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y Us 2003/0078891 Al (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y Us 2003/0078891 Al (Capitant) 24 April 2003 (24.04.2003), see th	Minimum documentation searched (classification system followed by classification symbols)					
Please See Continuation Sheet  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category * Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.  Y US 6,170,744 B1 (Lee et al.) 09 January 2001 (09.01.2001), abstract and entired document 1-11  Y US 2002/0166063 A1 (Lechman, III et al.) 07 November 2002 (07.11.2002), see entired document 1-11  Y US 6,50,012 B1 (Villa et al.) 19 May 2000 (09.05.2000), see the entired document. 1-11  Y US 6,550,012 B1 (Villa et al.) 15 April 2003 (15.04.2003), see the entired document. 1-11  Y US 6,408,330 B1 (DeLaHuerga) 18 June 2002, see col.9/ lines 5 to col.15/lines 53. 1-11  X US 2004/0235521 A1 (Pradhan et al.) 25 November 2004 (25.11.2004), see the entired document. Y US 2003/0078891 A1 (Capitant) 24 April 2003 (24.04.2003), see the entired document. 1-11  Further documents are listed in the continuation of Box C.  * Special entegories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance pathished after the international fling date or priority date and not in conflict with the application but side to understand the principle or theory underlying the internation extend to experified)  "O" document referring to an oral disclosure, use, exhibition or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other special	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Category   Citation of document, with indication, where appropriate, of the relevant passages   Relevant to claim No.						
Y US 6,170,744 B1 (Lee et al.) 09 January 2001 (09.01.2001), abstract and entired document  Y US 2002/0166063 A1 (Lachman, III et al.) 07 November 2002 (07.11.2002), see entired document  Y US 6,550,012 B1 (Villa et al.) 15 April 2003 (15.04.2003), see the entired document.  Y US 6,550,012 B1 (Villa et al.) 15 April 2003 (15.04.2003), see the entired document.  Y US 6,408.330 B1 (DeLaHuerga) 18 June 2002, see col.9/ lines 5 to col.15/lines 53.  L-11  X US 2004/0235521 A1 (Pradhan et al.) 25 November 2004 (25.11.2004), see the entired document.  Y US 2003/0078891 A1 (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y US 2003/0078891 A1 (Capitant) 24 April 2003 (24.04.2003), see the entired document.  L-11  Letter document defining the general state of the srt which is not considered to be of particular relevance of the srt which is not considered to be of particular relevance of the srt which is not considered to experiment of particular relevance, the claims divention cannot be considered to involve an inventive step when the document of particular relevance, the claims divention cannot be considered to involve an inventive step when the document of particular relevance, the claims divention cannot be considered to involve an inventive step when the document is claim at low and the published prior to the international fling date but leter than the principle or theory underlying the invention cannot be considered to involve an inventive step when the document is claim at low and the considered to involve an inventive step when the document is combinated with one or more other valuence, the claims divention cannot be considered to involve an inventive step when the document is combinated with one or more other valuence, the claims divention cannot be considered to involve an inventive step when the document is combinated with one or more other valuence, the claims divention cannot be considered to involve an inventive step when the document is other particular relevance, the claims divention canno	C. DOC	UMENTS CONSIDERED TO BE RELEVANT				
Y US 2002/0166063 A1 (Lachman, III et al.) 07 November 2002 (07.11.2002), see entired document Y US 2002/0166063 A1 (Lachman, III et al.) 07 November 2002 (07.11.2002), see entired document Y US 6,061,794 (Angelo et al.) 09 May 2000 (09.05.2000), see the entired document.  1-11 Y US 6,0550,012 B1 (Villa et al.) 15 April 2003 (15.04.2003), see the entired document.  1-11 Y US 6,408,330 B1 (DeLaHuerga) 18 June 2002, see col.9/ lines 5 to col.15/lines 53.  X US 2004/0235521 A1 (Pradhan et al.) 25 November 2004 (25.11.2004), see the entired document. Y US 2003/0078891 A1 (Capitant) 24 April 2003 (24.04.2003), see the entired document.  1-11    Further documents are listed in the continuation of Box C.	Category *	Citation of document, with indication, where ap	propriate, of the relevant passages			
Y US 6,061,794 (Angelo et al.) 09 May 2000 (09.05.2000), see the entired document.  Y US 6,061,794 (Angelo et al.) 15 April 2003 (15.04.2003), see the entired document.  Y US 6,408,330 B1 (DeLaHuerga) 18 June 2002, see col.9/ lines 5 to col. 15/lines 53.  1-11  X US 2004/0235521 A1 (Pradhan et al.) 25 November 2004 (25.11.2004), see the entired document.  Y US 2003/0078891 A1 (Capitant) 24 April 2003 (24.04.2003), see the entired document.  Y US 2003/0078891 A1 (Capitant) 24 April 2003 (24.04.2003), see the entired document.  1-11  Let document defining the general state of the set which is not considered to be of particular relevance of the set which is not considered to be of particular relevance of the set which is positical relevance the claimed invention cannot be considered novel or earnot be obvious to a person skilled in the actual completion of the international filing date to etablish the publication date of another claims or other special reason (as specified)  Odecument referring to an oral disclosure, use, exhibition or other special reason (as specified)  Date of the actual completion of the international search  Date of the actual completion of the international search  IO August 2005 (10.08.2005)  Name and mailing address of the ISA/US  Mail Stop PCT, Aum ISA/US  Mail Mail Mail Mail Mail Mail Mail Mail		US 6,170,744 B1 (Lee et al.) 09 January 2001 (09.01	.2001), abstract and entired document	1-11		
V US 6,061,794 (Angelo et al.) 09 May 2000 (09.05.2000), see the entired document.  V US 6,550,012 B1 (Villa et al.) 15 April 2003 (15.04.2003), see the entired document.  V US 6,408,330 B1 (DeLaHuerga) 18 June 2002, see col.9/ lines 5 to col.15/lines 53.  1-11  X US 2004/0235521 A1 (Pradhan et al.) 25 November 2004 (25.11.2004), see the entired document.  V US 2003/0078891 A1 (Capitant) 24 April 2003 (24.04.2003), see the entired document.  1-11  Further documents are listed in the continuation of Box C.  Special estagories of cited document:  "A"  document defining the general state of the art which is not considered to be of particular relevance.  "B"  earlier application or patent published on or after the international filing date  "A"  document which may throw doubte on priority claim(s) or which is cited to establish the publication date of snotther citation or other special reason (as specified)  "O'  document published prior to the international filing date but later than the priority date claimed  "C"  document published prior to the international filing date but later than the priority date claimed  "A"  document published prior to the international filing date but later than the priority date claimed  "A"  document published prior to the international search  "O'  document referring to an oral disclosure, use, exhibition or other means document published prior to the international search  "O'  Authorized officer  KiEU-OANH T. BUI  Telephone No. (571) 272-7291	Y			1-11		
Y US 6,408,330 B1 (DeLaHuerga) 18 June 2002, see col.9/lines 5 to col.15/lines 53.  X US 2004/0235521 A1 (Pradhan et al.) 25 November 2004 (25.11.2004), see the entired document.  Y US 2003/0078891 A1 (Capitant) 24 April 2003 (24.04.2003), see the entired document.  1-11  Further documents are listed in the continuation of Box C.  See patent family annex.  1-11  See patent family annex.  Ister document published after the international filing date or priority date and not inconflict with the application but cited to understand the principle or theory underlying the invention cannot be considered to the considered to be of patients application or patent published on or after the international filing date or application or patent published on or after the international filing date to enable the document is taken alone document family and the application of the international filing date to enable the document is taken alone document in the considered to involve an inventive step when the document is taken alone document referring to an oral disclosure, use, exhibition or other means obvious to a person skilled in the art document member of the same patent family document member of the same patent family document member of the same patent family annex.  Date of the actual completion of the international search  1-11  See patent family annex.  Islate document in family annex.  Islate document in family annex.  Islate document in being claimed after the international filing date or priority date on in one online with the application but cited to understand the principle or theory underlying the invention cannot be considered novel or enume to considered to involve an inventive step when the document is taken alone of the considered to involve an inventive step when the document is one bined with one or mare other and document, such combination being obvious to a person skilled in the art document member of the same patent family  Date of mailing of the international search pool of the international search report (KIE	Y	US 6,061,794 (Angelo et al.) 09 May 2000 (09.05.2000), see the entired document.		1-11		
X US 2004/0235521 A1 (Pradhan et al.) 25 November 2004 (25.11.2004), see the entired document.  Y US 2003/0078891 A1 (Capitant) 24 April 2003 (24.04.2003), see the entired document.  1-11  Further documents are listed in the continuation of Box C.  Special estegories of cited documents:  "A"  document defining the general state of the art which is not considered to be of particular relevance and compartition or patent published on or efter the international filing data and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot be considered to involve an inventive step when the document is taken alone document which may throw doubts on priority claim(s) or which is cited to establish the published of another citation or other special reason (as specified)  "C"  document published prior to the international filing date but later than the priority date claimed  To August 2005 (10.08.2005)  Name and mailing address of the ISA/US  Mail Stop PCT, Alm: ISA/US  Commissioner of Patents  P.O. Box 1430  Alternative April 2003 (24.04.2003), see the entired document.  1-11  1-11  See patent family annex.  Inter document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention cannot be considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone with one or more other such document, such combination being obvious to a person skilled in the art  document rember of the same patent family  Tolephone No. (571) 272-7291	Y	US 6,550,012 B1 (Villa et al.) 15 April 2003 (15.04.2003), see the enrired document.		1-11"		
document.    US 2003/0078891 A1 (Capitant) 24 April 2003 (24.04.2003), see the entired document.    Further documents are listed in the continuation of Box C.   See patent family annex.	Y	US 6,408,330 B1 (DeLaHuerga) 18 June 2002, see col.9/ lines 5 to col.15/lines 53.		1-11		
Further documents are listed in the continuation of Box C.  Special categories of cited documents:  And document defining the general state of the art which is not considered to be of particular relevance of the actual completion of another citation or other special reason (as specified)  To document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  To document published prior to the international filing date but leter than the priority date claimed  To August 2005 (10.08.2005)  Name and mailing address of the ISA/US  Mail Stop PCT, Auth: ISA/US  Commissioner of Patents  P.O. Box 1450  Alsonardia, Virginia 22313-1450  Authorized officer  KIEU-OANH T. BUI  Telephone No. (571) 272-7291	x			1-11		
Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "B" document defining the general state of the art which is not considered to be of particular relevance  "B" document defining the general state of the art which is not considered to be of particular relevance  "B" document which may throw doubts on or after the international filing date earlier application or patent published on or after the international filing date or stablish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "O" document published after the international filing date but later than the priority date claimed  "O" document published after the international filing date or priority date of another citation or other means  "O" document referring to an oral disclosure, use, exhibition or other means  "O" document published after the internation cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "E" document published after the internation cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is tak	Y US 2003/0078891 A1 (Capitant) 24 April 2003 (24.0		4.2003), see the entired document.	1-11		
Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "B" document defining the general state of the art which is not considered to be of particular relevance  "B" document defining the general state of the art which is not considered to be of particular relevance  "B" document which may throw doubts on or after the international filing date earlier application or patent published on or after the international filing date or stablish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "O" document published after the international filing date but later than the priority date claimed  "O" document published after the international filing date or priority date of another citation or other means  "O" document referring to an oral disclosure, use, exhibition or other means  "O" document published after the internation cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "E" document published after the internation cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is tak						
Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "B" document defining the general state of the art which is not considered to be of particular relevance  "B" document defining the general state of the art which is not considered to be of particular relevance  "B" document which may throw doubts on or after the international filing date earlier application or patent published on or after the international filing date or stablish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "O" document published after the international filing date but later than the priority date claimed  "O" document published after the international filing date or priority date of another citation or other means  "O" document referring to an oral disclosure, use, exhibition or other means  "O" document published after the internation cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "E" document published after the internation cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is tak						
Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "B" document defining the general state of the art which is not considered to be of particular relevance  "B" document defining the general state of the art which is not considered to be of particular relevance  "B" document which may throw doubts on or after the international filing date earlier application or patent published on or after the international filing date or stablish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "O" document published after the international filing date but later than the priority date claimed  "O" document published after the international filing date or priority date of another citation or other means  "O" document referring to an oral disclosure, use, exhibition or other means  "O" document published after the internation cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "E" document published after the internation cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is tak						
Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "B" document defining the general state of the art which is not considered to be of particular relevance  "B" document defining the general state of the art which is not considered to be of particular relevance  "B" document which may throw doubts on or after the international filing date earlier application or patent published on or after the international filing date or stablish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "O" document published after the international filing date but later than the priority date claimed  "O" document published after the international filing date or priority date of another citation or other means  "O" document referring to an oral disclosure, use, exhibition or other means  "O" document published after the internation cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "E" document published after the internation cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is tak				·		
Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "B" document defining the general state of the art which is not considered to be of particular relevance  "B" document defining the general state of the art which is not considered to be of particular relevance  "B" document which may throw doubts on or after the international filing date earlier application or patent published on or after the international filing date or stablish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "O" document published after the international filing date but later than the priority date claimed  "O" document published after the international filing date or priority date of another citation or other means  "O" document referring to an oral disclosure, use, exhibition or other means  "O" document published after the internation cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "E" document published after the internation cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is tak		· · · · · · · · · · · · · · · · · · ·	See notest family anney			
date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "A" document defining the general state of the art which is not considered to be of particular relevance; arrive application or patent published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  10 August 2005 (10.08.2005)  Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US  Commissioner of Patents  P.O. Box 1450  Alexandria, Virginia 22313-1450  date and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "X"  document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y"  document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "Y"  document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document special reason (as on the considered novel or cannot be considered to involve an inventive step when the document special reason (as on the considered to involve an inventive step when the document special reason (as on the considered to involve an inventive step when the document special reason (as on the considered to involve an inventive step when the document			"T" later domment published after the inte	mational filing date or priority		
particular relevance  "E" earlier application or patent published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed  "Bate of the actual completion of the international search  10 August 2005 (10.08.2005)  Name and mailing address of the ISA/US  Mail Stop PCT, Atm: ISA/US  Commissioner of Patents  P.O. Box 1450  Alexandria, Virginia 22313-1450  Alexandria, Virginia 22313-1450  Alexandria, Virginia 22313-1450  Alexandria, Virginia 22313-1450  Accommendation or after the international filing date but international filing date of the international filing date but later than the priority date of mailing address of the ISA/US  KIEU-OANH T. BUI  Telephone No. (571) 272-7291	Special caregories of cited documents.		date and not in conflict with the applic	ation but cited to understand the		
when the document is taken alone  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  10 August 2005 (10.08.2005)  Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US  Commissioner of Patents  P.O. Box 1450  Alexandria, Virginia 22313-1450  when the document is taken alone  document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  document published prior to the international filing date but later than the priority date claimed  "Authorized of mailing of the international search report  Authorized officer  KIEU-OANH T. BUI  Telephone No. (571) 272-7291	particular relevance		"X" document of particular relevance; the	claimed invention cannot be red to involve an inventive step		
establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  10 August 2005 (10.08.2005)  Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US  Commissioner of Patents  P.O. Box 1450  Alexandria, Virginia 22313-1450  Alexandria, Virginia 22313-1450  Accument referring to an oral disclosure, use, exhibition or other means  document member of the same patent family  "&" document member of the same patent family  Date of mailing of the international search report  **ETO-OANH T. BUI  Telephone No. (571) 272-7291			when the document is taken alone			
"O" document referring to an oral disclosure, use, exhibition or other means obvious to a person skilled in the art  "P" document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  10 August 2005 (10.08.2005)  Name and mailing address of the ISA/US  Mail Stop PCT, Atm: ISA/US  Commissioner of Patents  P.O. Box 1450  Alexandria, Virginia 22313-1450  Alexandria, Virginia 22313-1450  Alexandria, Virginia 22313-1450  Alexandria, Virginia 22313-1450  Obvious to a person skilled in the art  document member of the same patent family  The approach of the international search report  Authorized officer  KIEU-OANH T. BUI  Telephone No. (571) 272-7291	establish the publication date of another citation or other special reason (as		considered to involve an inventive step when the document is combined with one or more other such documents, such combination being			
Date of the actual completion of the international search  10 August 2005 (10.08.2005)  Name and mailing address of the ISA/US  Mail Stop PCT, Atm: ISA/US  Commissioner of Patents  P.O. Box 1450  Alexandria, Virginia 22313-1450  Date of mailing of the international search report  25 OCT  While international search report  Authorized officer  KIEU-OANH T. BUI  Telephone No. (571) 272-7291	"O" document referring to an oral disclosure, use, exhibition or other means		•			
10 August 2005 (10.08.2005)  Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US  Comunissioner of Patents  P.O. Box 1450  Alexandria, Virginia 22313-1450  Alexandria, Virginia 22313-1450  Authorized officer  KIEU-OANH T. BUI  Telephone No. (571) 272-7291	P document photomica prior to atomication many core					
Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US  Commissioner of Patents  P.O. Box 1450  Alexandria, Virginia 22313-1450  Alexandria, Virginia 22313-1450  Alexandria, Virginia 22313-1450  Alexandria, Virginia 22313-1450	Date of the actual completion of the international search		Date of mailing of the international search report			
Mail Stop PCT, Attn: ISA/US Commissioner of Patents P.O. Box 1450 Alexandria, Virginia 22313-1450  KIEU-OANH T. BUI Telephone No. (571) 272-7291	10 August 20	005 (10.08.2005)	Authorized officer	10'		
Commissioner of Patents P.O. Box 1450 Alexandria, Virginia 22313-1450  Telephone No. (571) 272-7291	Name and mailing address of the ISA/US		Authorized officer			
P.O. Box 1450 Alexandria, Virginia 22313-1450 Telephone No. (571) 272-7291			KIEU-OANH T. BUI			
	P.O	. Box 1450	Telephone No. (571) 272-7291			
			relephone No. (3/1) 2/2-/291			

Form PCT/ISA/210 (second sheet) (July 1998)

INTERNATIONAL SEARCH REPORT	PCT/US05/00079			
·	•			
-	•			
Continuation of B. FIELDS SEARCHED Item 3:  EAST SEARCH:				
software applications, trigger, keyworks, unique code, digital key, hash, network da program, disc, multimedia.	na paonot, rigin, copy rigin, emilyr, energy non,			
Form PCT/ISA/210 (second sheet) (July 1998)				